

HPE Storage Fibre Channel Switch B-series SN3700B



What's new

- Features switch offerings with 64 Gb or 32 Gb optics as well as Port-on-Demand upgrade kits bundled with 64 Gb or 32 Gb optics, enabling scaling from 8 to 24 ports.
- Gen7 64 Gb fibre channel switch technology enables organizations to realize a self-learning, self-optimizing, and self-healing autonomous SAN.
- Gen7 64 Gb fibre channel switch technology combines analytics and advanced automation capabilities to accelerate data access, adapt to evolving requirements, and drive 24x7 operations.

Overview

In today's data-driven world, where both the value and protection of data are paramount, IT organizations face increasing pressure to ensure their systems are secure, reliable, and efficient. The challenge lies not only in securing continuous, non-stop access to data but also in optimizing critical applications and resources to improve productivity. To address these demands, a simple and always-on infrastructure is essential—one that supports high throughput and low-latency requirements for critical applications. HPE Storage Fibre Channel Switch B-series SN3700B is key to helping organizations meet these challenges. By integrating this robust, high-performance network into their storage ecosystem, small and mid-sized businesses can effectively handle large volumes of data with minimal overhead. This enables faster decision making, improved operational efficiency, and a competitive edge, all without the complexity or cost typically associated with large enterprise-level solutions.

Features

Increase Performance for Application and Solid State Storage Architectures

The HPE Storage Fibre Channel Switch B-series SN3700B delivers increased performance through a combination of improved throughput and low latency across 64 Gb links in hyper-scale virtualization, small to medium sized cloud infrastructures, and growing flash-based storage environments.

Improved performance of NVMe storage with 40% lower switching latency than 32 Gb. Latency for locally switched ports is 460 ns including forward error correction (FEC) [1]

With twenty-four 64 Gb ports it can scale up to 24 device ports for an aggregate throughput of 1.536 Tbps. [2]

Technical specifications	HPE Storage Fibre Channel Switch B-series SN3700B
Port speed	64 Gb
Aggregate switch bandwidth	1.536 Tbps, maximum
Encryption capability	No
Protocol supported	Fibre Channel
Management software	Both offerings include the software features traditionally associated with the Power Pack+ Software Bundle: Fabric Vision, ISL Trunking, and Extended Fabric
Availability features	Hot code load ports on-demand with no downtime one fixed power supply with four integrated system cooling fans
Form factor	1U
Model availability	8-port Active Switch
Upgradability	Activate additional ports using 8 port SFP POD Kit upgrades, available with 32 Gb or 64 Gb SFPs
Media types	Supports 64 Gb and 32 Gb transceivers
Ports	24 maximum
Software (optional)	SANnav

[1] : Comparing Brocade G610 at 760 ns to the G710 at 460 ns based on Brocade documentation ([broadcom.com/products/fibre-channel-networking/switches](https://www.broadcom.com/products/fibre-channel-networking/switches))

[2] : (<https://docs.broadcom.com/doc/G710-Switch-PB>)

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Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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Image may differ from the actual product.

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